Award Number: W81XWH-12-1-0549

TITLE: A Double-Blind, Randomized Study of Safety and Efficacy of OnabotulinumtoxinA (OnaBoNT-A) versus Oral Oxybutynin in SCI Patients with NDO (11-09-10-04)

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REPORT DATE: October 2013

TYPE OF REPORT: Annual

PREPARED FOR: U.S. Army Medical Research and Materiel Command

Fort Detrick, Maryland 21702-5012

DISTRIBUTION STATEMENT: Approved for Public Release;

Distribution Unlimited

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REPORT DOCUMENTATION PAGE				Form Approved OMB No. 0704-0188	
				searching existing data sources, gathering and maintaining the	
data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-					
4302. Respondents should be aware that notwithstanding valid OMB control number. PLEASE DO NOT RETURN Y			or failing to compl	y with a collection of information if it does not display a currently	
1. REPORT DATE	2. REPORT TYPE			3. DATES COVERED	
October 01, 2013	Annual			30 Sep 2012 - 29 Sep 2013	
4. TITLE AND SUBTITLE:	. l (O . (. (5a. CONTRACT NUMBER	
A Double-Blind, Randomized Study of Safety and Efficacy of OnabotulinumtoxinA (OnaBoNT-A) versus Oral Oxybutynin in SCI Patients with					
	utynin in SCI Patiei		5b. GRANT NUMBER		
NDO (11-09-10-04)			<u> </u>	W81XWH-12-1-0549	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
Christopher P. Smith, MD				JULI ROJECT NOMBER	
Chilotophici i . Chiliti, MD				5e. TASK NUMBER	
			-	5f. WORK UNIT NUMBER	
E-Mail: cps@bcm.edu					
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) AN	ID ADDRESS(ES)		8. PERFORMING ORGANIZATION REPORT	
		. ,		NUMBER	
Baylor College of Medicine					
Houston, TX 77030-3498					
9. SPONSORING / MONITORING AGENCY		S(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)	
U.S. Army Medical Research and N					
Fort Detrick, Maryland 21702-5012		-	11. SPONSOR/MONITOR'S REPORT		
			NUMBER(S)		
				NOMBER(O)	
12. DISTRIBUTION / AVAILABILITY STAT	FMENT				
Approved for Public Release; Distribution Unlimited					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT					
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15. SUBJECT TERMS					
Botulinum Toxin, Oxybutynin, Overactive Bladder, Spinal Cord Injury, Urinary Incontinence, Nerve Growth					
Factor, Urine Biomarkers 16. SECURITY CLASSIFICATION OF:		17. LIMITATION	18. NUMBE	R 19a. NAME OF RESPONSIBLE PERSON	
10. SECURITY CLASSIFICATION OF:		OF ABSTRACT	OF PAGES	USAMRMC	
a. REPORT b. ABSTRACT	c. THIS PAGE			19b. TELEPHONE NUMBER (include area	
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INTRODUCTION

This is a Phase 3B, double-blind, randomized, placebo-controlled, parallel-group study to assess the safety and efficacy of onaBoNT-A or 15 mg per day of oral oxybutynin hydrocholoride ER in spinal cord injured volunteers diagnosed with neurogenic detrusor overactivity. A total of 36 volunteers will be recruited for this study. Volunteers will include both males and females with spinal cord injuries who are 18 to 80 years of age and diagnosed with neurogenic detrusor overactivity. They are veterans who visit the Michael E. DeBakey Veterans Affairs Medical Center (MEDVAMC) in Houston, TX. There are no eligibility restrictions as to race or ethnicity.

Volunteers will be randomized using a blocked randomization approach designed by the statistician and implemented by the MEDVAMC Research Pharmacy to either: ARM 1: onaBoNT-A 200 U bladder injection and placebo oral capsule daily or ARM 2: Placebo bladder injection (saline) and oxybutynin ER 15mg capsule daily. Subjects will be randomized into one of the two treatment arms, using a block size of 4. The order in which the treatments are assigned in each block is randomized and this process is repeated for consecutive blocks of subjects until all subjects are randomized. This process ensures that after every fourth randomized subject, the number of subjects in each treatment group is equal. Volunteers will be on the study for approximately 36 weeks.

OVERALL PROGRESS

The protocol received initial BCM IRB approval on June 15, 2013 and revised VA IRB approval on August 22, 2013.

After initial difficulty recruiting, a revised IRB protocol that included a decrease in patient visits and the number of urodynamic studies was approved on August 22, 2013 which allows for mailing of letters to local spinal cord injured patients at MEDVAMC. One hundred letters were mailed out on October 1st, 2013. Five responses have been received thus far, 2 calls from a VA brochure. One patient has qualified. Two other possible patients have been identified for the study as well. A second batch of 157 letters was mailed out on October 18th, 2013.

A current problem with patient recruitment has been addressed by revising the study protocol to include less patient visits and less frequent number of urodynamic studies. We have expanded our recruitment methods to include VA patient brochures in the spinal cord clinic, and patient mail outs. We are also attending a weekly SCI Urology meeting to directly interact with PMR staff regarding potential study candidates.

WORK PLAN

Recruitment efforts will be enhanced through patient mail outs and direct interaction with Spinal Cord Injury PMR staff. The protocol's schedule of events will be followed.

APPENDIX

The QuadChart forwarded to GOR